

SENNIGER, POWERS, LEAVITT & ROEDEL  
ATTORNEYS AT LAW

RECEIVED

NOV 02 2001

TECH CENTER 1600/2900

FACSIMILE 314-231-4342

<http://www.senniger.com>

PATENTS, TRADEMARKS, COPYRIGHTS  
AND RELATED MATTERS

OF COUNSEL

IRVING POWERS

DONALD G. LEAVITT

RICHARD G. HEYWOOD

STUART N. SENNIGER  
(1921-1997)

FRANK R. AGOVINO  
DERICK E. ALLEN  
ROBERT M. BAIN  
JAMES J. BARTA, JR.  
G. HARLEY BLOSSER  
JOHN M. BODENHAUSEN  
RICHARD L. BRIDGE  
SARAH J. CHICKOS  
J. BENNETT CLARK  
JENNIFER E. COOK  
DAVID E. CRAWFORD, JR.  
MATTHEW L. CUTLER  
JAMES E. DAVIS  
KATHRYN J. DOTY  
ROBERT M. EVANS, JR.  
PAUL I.J. FLEISCHUT  
MICHAEL E. GODAR  
CHRISTOPHER M. GOFF  
DAVID W. HARLAN  
JAMES D. HARPER

EDWARD J. HEJLEK  
KAREN Y. HUI  
KURT F. JAMES  
VINCENT M. KEIL  
ANTHONY R. KINNEY  
BRIAN P. KLEIN  
WILLIAM E. LAHEY  
JULIE J. McMURRY  
MICHAEL G. MUNSELL  
DEBRA D. NYE  
WILLIAM D. O'NEILL  
KATHLEEN M. PETRILLO  
LAURA R. POLCYN  
KEITH A. RABENBERG  
STEVEN M. RITCHEY  
JOHN K. ROEDEL, JR.  
RICHARD A. SCHUTH  
MICHAEL J. THOMAS  
DONALD W. TUEGEL  
JACOB S. WHARTON

ONE METROPOLITAN SQUARE  
16TH FLOOR  
ST. LOUIS, MISSOURI 63102  
314-231-5400

October 1, 2001

Application of Gary S. Jacob et al.

Serial No. 09/023,401

Filed February 12, 1998

Confirmation No. 6896

For USE OF N-SUBSTITUTED-1,5-DIDEOXY-1,5-IMINO-D-GLUCITOL  
COMPOUNDS IN COMBINATION THERAPY FOR TREATING HEPATITIS  
VIRUS INFECTIONS

Attorney Docket SRL 6067

Office of Initial Patent Examination's  
Customer Service Center  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

We have received the replacement filing receipt in the  
above-referenced U.S. patent application.

The receipt does not list the domestic priority data as  
claimed by applicant. The correct information is "60/041,221  
filed February 14, 1997." Further, the attorney docket listed is  
6067 whereas the correct information is "SRL 6067."

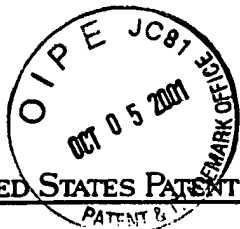
\*\* A copy of the Filing Receipt with the changes noted thereon  
is enclosed. Further enclosed is a copy of the Declaration and  
the letter to the Patent Office transmitting the application as  
filed.

Please send us a corrected filing receipt.

Respectfully submitted,

John K. Roedel, Jr., Reg. No. 25,914

JKRcwa

**RECEIVED**

NOV 07 2001

UNITED STATES PATENT AND TRADEMARK OFFICE

TECH CENTER 1600/2900

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/023,401,	02/12/1998 /	1614	2326	SRL 6067	3 /	69	7

CONFIRMATION NO. 6896 /

REPLACEMENT FILING RECEIPT



\*OC00000006018418\*

321  
SENNIGER POWERS LEAVITT AND ROEDEL  
ONE METROPOLITAN SQUARE  
16TH FLOOR  
ST LOUIS, MO 63102

Date Mailed: 04/30/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

GARY S. JACOB, CREVE COEUR, MO; /  
TIMOTHY M BLOCK, JENKINTOWN, PA; /  
RAYMOND A DWEK, OXFORD, UNITED KINGDOM; /

**Domestic Priority data as claimed by applicant**

601041, 221 filed 2-14-97

**Foreign Applications**

If Required, Foreign Filing License Granted 04/25/1998

Projected Publication Date: N/A

Non-Publication Request: No

Early Publication Request: No

**Title**

USE OF N-SUBSTITUTED-1,5-DIDEOXY-1,5-IMINO-D-GLUCITOL COMPOUNDS IN  
COMBINATION THERAPY FOR TREATING HEPATITIS VIRUS INFECTIONS /

**Preliminary Class**

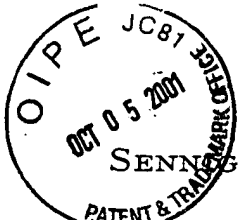
Bm

**Data entry by : BURSE, JANICE**

**Team : OIPE**

**Date: 04/30/2001**





RECEIVED

NOV 02 2001

TECH CENTER 1600/2900

FACSIMILE 314-231-4342  
TELEX 6502697583 MCI

CABLE ADDRESS  
PATENT

PATENTS, TRADEMARKS, COPYRIGHTS  
AND RELATED MATTERS

EM174420966US

STUART N. SENNIGER  
(1921-1997)

FRANK R. AGOVINO  
DERICK E. ALLEN  
ROBERT M. BAIN  
G. HARLEY BLOSSER  
RICHARD L. BRIDGE  
J. BENNETT CLARK  
CHARLES E. COHEN, PH.D.  
DAVID E. CRAWFORD, JR.  
MATTHEW L. CUTLER  
ROBERT M. EVANS, JR.  
PAUL I. J. FLEISCHUT  
ELIE H. GENDLOFF, PH.D.  
MICHAEL E. GODAR  
CHRISTOPHER M. GOFF  
DAVID M. GRAYE

EDWARD J. HEDLER  
KURT F. JAMES  
VINCENT M. KEIL  
WILLIAM E. LAHEY  
DONALD G. LEAVITT  
PAUL A. MADDOCK  
MICHAEL G. MUNSELL  
KATHLEEN M. PETRILLO  
LAURA R. POLCYN  
JOHN K. ROEDEL, JR.  
JOSEPH A. SCHAPER\*\*  
PAUL A. STONE  
RUDOLPH A. TELSCHER, JR.  
SCOTT A. WILLIAMS

OF COUNSEL  
IRVING POWERS  
RICHARD G. HEYWOOD

SENNIGER, POWERS, LEAVITT & ROEDEL  
ATTORNEYS AT LAW  
ONE METROPOLITAN SQUARE  
16TH FLOOR  
ST. LOUIS, MISSOURI 63102  
(314) 231-5400

February 12, 1998

\*VIRGINIA ONLY  
\*\*TEXAS ONLY

**UTILITY PATENT APPLICATION TRANSMITTAL**  
(new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket Number: SRL 6067  
First Named Inventor: Gary S. Jacob, et al  
Express Mail Label Number: EM174420966US  
Total Pages: 65

TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

**APPLICATION ELEMENTS**

1. ☒ Fee Transmittal Form  
(original and duplicate)
2. ☒ Specification [Total Pages 62]
3. ☒ Drawings [Total Sheets 3]
4. Oath or Declaration [Total Pages     ]
  - a. ☐ Newly executed (original or copy)  
☐ New (unexecuted)
  - b. ☐ Copy from a prior application  
(for continuation/divisional with  
Box 17 completed)
    - i. ☐ DELETION OF INVENTOR(s)  
Signed statement attached  
deleting inventor(s) named  
in prior application.
5. ☐ Incorporation By Reference  
(useable if Box 4b is marked)  
The entire disclosure of the prior application, from  
which a copy of the oath or declaration is supplied  
under Box 4b, is considered as being part of the  
disclosure of the accompanying application and is hereby  
incorporated by reference therein.

6. ☐ Micro...che Computer Program (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above  
copies

**ACCOMPANYING APPLICATION PARTS**

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ IDS with PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard
14. ☐ Small Entity Statement(s)  
☐ Statement filed in prior application; status still  
proper and desired
15. ☐ Certified Copy of Priority Document(s) if foreign  
priority is claimed
16. ☐ Other: \_\_\_\_\_

**IF A CONTINUING APPLICATION, CHECK APPROPRIATE  
BOX AND SUPPLY THE REQUISITE INFORMATION**

17. ☐ Continuation ☐ Divisional ☐ Continuation-in-Part  
of prior application No.: \_\_\_\_\_
- ☒ Complete Application  
based on provisional Application No. 60/041,221

**CORRESPONDENCE ADDRESS**

18. Correspondence Address: Customer Number 000321  
Attention: Charles E. Cohen

Respectfully submitted,

*Charles E. Cohen*

Charles E. Cohen, Reg. No. 34,565

CEC/lep



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov



Bib Data Sheet

**FILE COPY**

CONFIRMATION NO. 6896

<b>SERIAL NUMBER</b> 09/023,401	<b>FILING DATE</b> 02/12/1998 <b>RULE</b>	<b>CLASS</b> 514	<b>GROUP ART UNIT</b> 1617	<b>ATTORNEY DOCKET NO.</b> SRL 6067
<b>APPLICANTS</b> GARY S. JACOB, CREVE COEUR, MO; TIMOTHY M BLOCK, JENKINTOWN, PA; RAYMOND A DWEK, OXFORD, UNITED KINGDOM;				
<b>** CONTINUING DATA *****</b> THIS APPLN CLAIMS BENEFIT OF 60/041,221 02/14/1997				
<b>** FOREIGN APPLICATIONS *****</b>				
<b>IF REQUIRED, FOREIGN FILING LICENSE GRANTED</b> <b>** 04/25/1998</b>				
Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after met Allowance Verified and Acknowledged Examiner's Signature _____ Initials _____		<b>STATE OR COUNTRY</b> MO	<b>SHEETS DRAWING</b> 3	<b>TOTAL CLAIMS</b> 69
<b>ADDRESS</b> 321		<b>INDEPENDENT CLAIMS</b> 7		
<b>TITLE</b> USE OF N-SUBSTITUTED-1,5-DIDEOXY-1,5-IMINO-D-GLUCITOL COMPOUNDS IN COMBINATION THERAPY FOR TREATING HEPATITIS VIRUS INFECTIONS				
<b>FILING FEE RECEIVED</b> 2326	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit	